

a	!	·	?	¿	'	#	%
b	&	+	, -	@	\$	¢	£
c	¥	/	: ;	×	÷	±	=
d	*	<	[ \	~	( )	^	°
e	<	>	{ }	~	μ	°	Ω
f	↑	↓	←	→	φ	°	½
g	↑	↓	←	→	°	°	¼
h	↑	↓	←	→	°	°	¾
i	↑	↓	←	→	°	°	°
j	↑	↓	←	→	°	°	°
k	↑	↓	←	→	°	°	°
l	↑	↓	←	→	°	°	°
m	↑	↓	←	→	°	°	°
n	↑	↓	←	→	°	°	°
o	↑	↓	←	→	°	°	°
p	↑	↓	←	→	°	°	°
q	↑	↓	←	→	°	°	°
r	↑	↓	←	→	°	°	°
s	↑	↓	←	→	°	°	°
t	↑	↓	←	→	°	°	°
u	↑	↓	←	→	°	°	°



- Press and hold to scan quickly through the text.
- Press + or to move the cursor to the beginning or end of the line of text.
- When used in conjunction with certain function keys, use or to select options.
- To insert characters into the text, use or to position the cursor under the character to the right of the insertion point, then type in the characters required.
- Press or to move the cursor to the start of the previous or next line of a multi-line label.
- Press + or + to move the cursor to the beginning or end of the label.

## PRINTING

- Press to print the label.
- Use cutter lever to release and tab-cut the label – see page 2.

## INCREMENTAL PRINTING +

Prints the label, then increments a number label by 1, ready for the next print command. Note that barcode numbers are not incremented.

## SPACE KEY

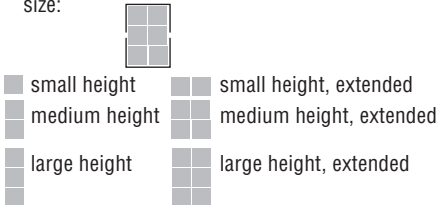
- Press to insert a space into the text.

## SYMBOLS

- Press to select a symbol character – see **SYMBOLS AND SPECIAL CHARACTERS** and the symbols table on page 2.

## TEXT SIZE

- The display shows the current selection of text print size:



- Large height is available on 19mm labels only. Medium height is available on all except 6mm labels. Small height is available on all labels.
- Press repeatedly to select the size symbol required.

## JUSTIFY

Labels are normally printed with the text left-justified. On multi-line labels, press to select left-justified, right-justified or centred text, as shown in the display. See also **LABEL LENGTH**.

## VERTICAL TEXT +

- Rotates the text through 90° so that the label is printed > 0 1 2 3 4 5 6 7 8 9 <, as confirmed by the VERT indicator in the display.
  - Press again to cancel and return to horizontal text.
- Note: Vertical text is not available on multi-line labels.

## MULTI-LINE PRINTING

- Press to start the next line of text on a multi-line label, e.g.

**This is a two** **line label** in the display will be printed as:



Labels can be created as follows:

6mm	1 line small text	19mm	Up to 4 lines small text
9mm	Up to 2 lines small text		
9mm	1 line medium text	19mm	Up to 2 lines medium text
12mm	Up to 2 lines small text		
12mm	1 line medium text	19mm	1 line large text

The line indicator in the display will confirm the number of lines in the label.

## BOXED/UNDERLINED PRINTING

The display shows the current selection.

- Press once to put a line box around the label (confirmed by the indicator in the display).
- Press a second time to underline all the text on the label (confirmed by the indicator in the display).
- Press a third time to cancel and return to normal text.

## ITALIC +

- Press once to print the label in *italic* text (confirmed by the indicator in the display). Press again to cancel and return to normal text.

## LABEL LENGTH +

- Press to display the current label length. The length is normally calculated automatically, according to the length and size of the text on the label. The justify symbol will also be displayed.
- Press to exit the length function without changing the length, or:
- Press if necessary to select the justification required, as confirmed by the justify symbol in the display.
- Use or to increase (up to 5000mm max.) or decrease the length in 2mm steps. The display will flash if you try to make the label shorter than the text.
- If the length displayed is preceded by the > symbol, the length has already been fixed; the label is too short for the text and it will not print. Either press to increase the length in 2mm steps until the > symbol disappears, or press + to cancel fixed length; the label is now long enough for the text and can be printed.
- Press to fix the length for all subsequent labels, confirmed by the <->| indicator in the display, or

- press **PRINT** to fix the new length and print the label.
- To cancel the fixed length and restore the automatic length, press **LENGTH SIZE** followed by **LENGTH SIZE** + **CLEAR DEL** (I<->I will go off) to cancel the fixed length, then press **DEL** to return to the current label.

## PERSONALISED (USER) LABEL SETTINGS

This function enables you to store your favourite label settings in the memory and to recall them by pressing just a few keys.

### To store personalised label settings:

- Make your personal settings, e.g.  
Small height, extended width text – ■■■  
Underlined text – A  
Italic text – *A*
- Press **USER**; the display will stop showing the current label text and will show your personalised settings.
- Press **↵** to store the settings in the memory (any settings previously stored will be replaced by these settings) and return to the current label, or
- Press **DEL** to exit and return to the current label (any settings previously stored will be unaffected).

### To recall personalised settings:

- Press **RECALL** + **USER** (confirmed by the **USER** indicator in the display). The display will stop showing the current label text and the settings in the user memory will be recalled and displayed.
- Press **DEL** to exit (the user settings will remain stored in memory) and return to the current label, or
- Press **↵** to copy these settings into the label. Any previous settings made on the current label will be lost and replaced by the user settings.

## Symbols and special characters

### INTERNATIONAL CHARACTERS

To add a diacritical (accent) to create an international character, enter the character first, followed immediately by the diacritical, e.g. press **E** followed by **◌̂** to get **é**.

To add a diacritical to an existing character, use **◀** or **▶** to place the cursor under the character to be changed, then press the appropriate diacritical key.

### SYMBOLS

Press **SYMBOL** to show symbols and special characters, some of which are not available direct from the keyboard. The display will show: **A-U ?** or, if any symbols have been stored in the memory: **A-U / 1-9 ?** (see also '**PERSONALISED (USER) SYMBOLS**').

Each letter selects a line of symbol characters, as shown in the table on page 2.

Press **DEL** to cancel, or press a letter key 'A' to 'U' until you find the line of symbols required.

Use **◀** or **▶** to select a symbol. Press **↵** to place the symbol in the label, or press **PRINT** to place it and print the label.

## PERSONALISED (USER) SYMBOLS

You can store up to nine frequently used symbol characters in the memory and recall a personalised symbol by pressing just three keys.

### To store a personalised symbol:

- Press **SYMBOL**. The display will show: **A-U ?** or, if any symbols have already been stored in the memory: **A-U / 1-9 ?**
- Press letter key 'A' to 'U' as required.
- Use **◀** or **▶** to select a symbol (eg **☺**).
- Press **USER**. The display will change to show the selected symbol and **>1-9 ?** (eg **☺ >1-9 ?**).
- Press a number between 1 and 9. The selected symbol will be stored in the user symbol memory with that number and will replace any symbol previously stored under that number.

### To recall a personalised symbol:

- Press **SYMBOL**; the display will show: **A-U/ 1-9 ?**.
- Press number key 1-9 as required. The display will show the stored symbol.

Note: If you press a number which does not have a stored symbol, the display will flash once.

Press another number key if necessary until the symbol required is displayed.

- Press **↵** to place the symbol in the label, or
- Press **DEL** to cancel and return to the current label.


**PRINT CONTRAST** — may be adjusted by pressing **SYMBOL** followed by space key **␣** to display the contrast symbols **<- ||||| +>**. Use **◀** or **▶** to select lighter or darker print. Press **↵** to confirm the setting. The normal contrast level is the mid-setting.


Note: This function enables you to adjust the print quality under extreme temperature conditions.

## BARCODES **BARCODE** **SYMBOL**

Barcodes can be printed on 19mm wide labels only and can be either full height or mixed with text on one or two lines.

### To create a bar code:

- Press **BARCODE** + **SYMBOL** to display the barcode type previously selected.
- Press **DEL** to cancel and return to the current label, or
- Use **◀** or **▶** to step through the barcode types available: EAN 8, EAN13, UPC A, UPC E, CODE 39 and CODE 128.
- Press **↵** to select the barcode type displayed. The barcode symbol  will appear in the display – see page 3.
- Enter the characters which will become the barcode, eg: 1234567.
- Press **↵** to return to the label.

Note that the barcode symbol  will appear in the display whenever the cursor is positioned under barcode characters.

- To edit a barcode, press + ; the barcode characters only will be displayed and the barcode symbol will appear in the display.
- Press or + again to return to the label.

On a single line label, a bar code can be mixed with text which is small, medium or large size:



A two-line label always has small size text when it is mixed with a barcode.

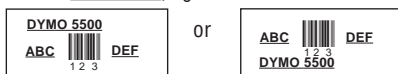
Text entered before pressing followed by + , will result in text above the barcode:



Entering the text after pressing at the end of a barcode will produce text below the barcode:



Text can be underlined, eg:



A box can be added around the complete label:



## Cleaning

- Clean the cutter blade regularly: Remove the cassette, then press and hold down cutter lever **D1** to expose cutter blade **D2**, then use a cotton bud and alcohol to clean both sides of the blade. Release cutter lever **D1**.
- Check and clean print head face **D3** regularly using a cotton bud and alcohol **ONLY**.

## Troubleshooting

### No display

- check machine is on
- replace discharged batteries
- check AC adaptor.

### No printing or poor text

- replace discharged batteries
- check tape cassette installed correctly
- clean the print head
- replace the tape cassette.

### Tape jammed

- lift out tape cassette carefully
- remove/release jammed tape
- DO NOT cut the ink ribbon – turn spool **B6** to tighten
- cut off excess label tape
- refit/replace the tape cassette.

### Poor cutter performance

- clean the cutter blade regularly

### Poor tab cuts

- replace tab cutter blade **F2** – remove door **F1** then locate and pull hard upwards to remove the cutter block.

WARNING – the blade is extremely sharp!

### No response to print key

- **!!!!!!!** in the display indicates a printer jam. Press any key to return to normal display. Open the cassette compartment and free the jam.
- flashing in the display indicates discharged batteries. Press any key to return to normal display. Replace the batteries.

### No success?

- Call the customer service telephone number in your country – see the warranty booklet.  
In the USA, call 800-645-6051  
In Canada, call (905) 670-2222